Addonics
TECHNOLOGIES

Saturn Combo Hard Drive
(SCHD)

For Following Models:

SCHD IDE-U2 (AESCHDIU2)
SCHD IDE-FW (AESCHDIFW)
SCHD IDE-SA (AESCHDISA)
SCHD IDE-CB (AECHDICB)
SCHD SA-U2 (AESCHDSAU2)
SCHD SA-FW (AESCHDSAFW)
SCHD SA-SA (AESCHDSASA)
SCHD SA-CB (AESCHDSACB)

Users Guide
Revision 1.0

FCC Warning Statement

This equipment has been tested and found to comply with the limits for a class B digital device pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try and correct the interference by one or more of the following suggestions.

- Reorient or relocate the receiving antenna
- Increase the distance between the equipment and the receiver
- Connect the equipment to a different power outlet other than the one where receiver is connected
- Consult a certified television or radio technician

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Chapter 1
Getting Started

Make sure that you have the following items:

For **SCHD IDE-U2 (AESCHDIU2)**

- One IDE-USIB Enclosure (AASIUSCS)
- One IDE Cradle (AASIDEBY)
- 6-foot USB2.0 USIB interface cable
- Driver Disc
- 110/220 AC/DC power adapter
- This User Guide

For **SCHD IDE-FW (AESCHDIFW)**

- One IDE-USIB Enclosure (AASIUSCS)
- One IDE Cradle (AASIDEBY)
- Firewire USIB interface cable
- Firewire to iLink adapter cable
- 110/220 AC/DC power adapter
- This User Guide

For **SCHD IDE-SA (AESCHDISA)**

- One IDE-USIB Enclosure (AASIUSCS)
- One IDE Cradle (AASIDEBY)
- Serial ATA USIB interface cable
- 110/220 AC/DC power adapter
- This User Guide

For **SCHD IDE-CB (AECHDICB)**

- One IDE-USIB Enclosure (AASIUSCS)
- One IDE Cradle (AASIDEBY)
- CardBus/PCMCIA USIB interface cable
- Driver Disc
- 110/220 AC/DC power adapter
- This User Guide

Continuation:

For **SCHD SA-U2 (AESCHDSAU2)**
- One SATA-USIB Enclosure (AASSAUSCS)
- One IDE Cradle (AASIDEBY)
- 6 –foot USB2.0 USIB interface cable
- Driver Disc
- 110/220 AC/DC power adapter
- This User Guide

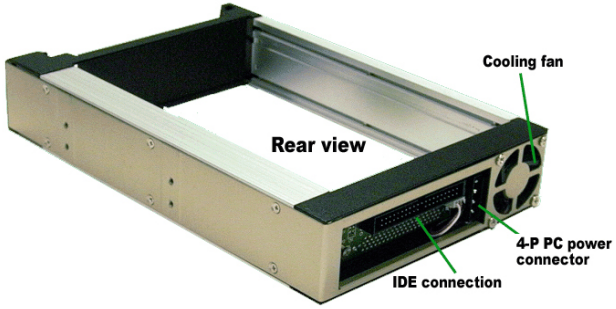
For **SCHD SA-FW (AESCHDSAFW))**
- One SATA-USIB Enclosure (AASSAUSCS)
- One IDE Cradle (AASIDEBY)
- Firewire USIB interface cable
- Firewire to iLink adapter cable
- 110/220 AC/DC power adapter
- This User Guide

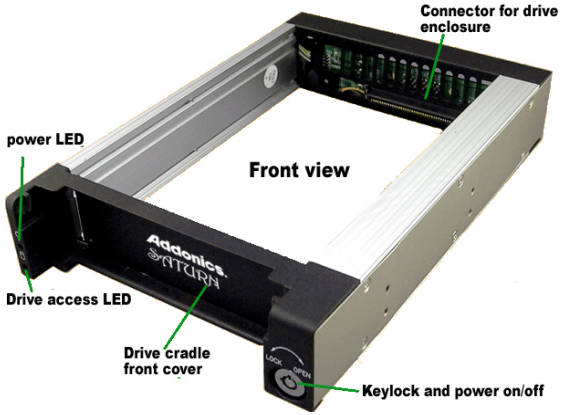
For **SCHD SA-SA (AESCHDSASA)**
- One SATA-USIB Enclosure (AASSAUSCS)
- One IDE Cradle (AASIDEBY)
- Serial ATA USIB interface cable
- 110/220 AC/DC power adapter
- This User Guide

For **SCHD SA-CB (AESCHDSACB)**
- One SATA-USIB Enclosure (AASSAUSCS)
- One IDE Cradle (AASIDEBY)
- CardBus/PCMCIA USIB interface cable
- Driver Disc
- 110/220 AC/DC power adapter
- This User Guide

Chapter 2 Hard Drive installation

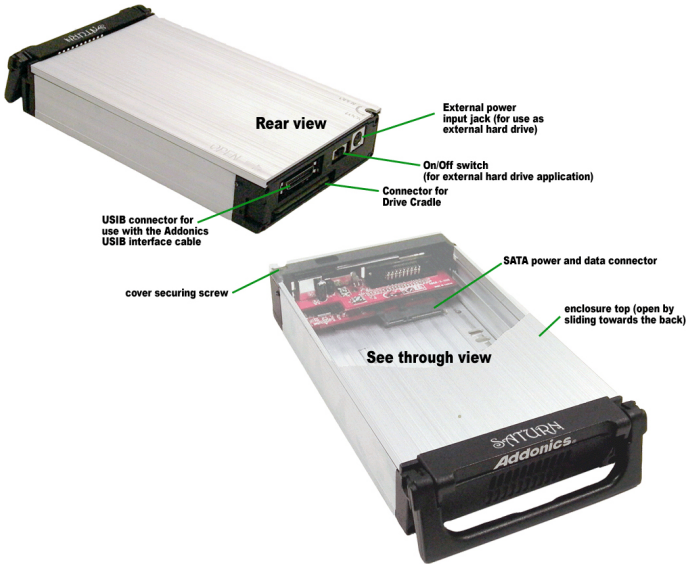
SATURN IDE Cradle Overview



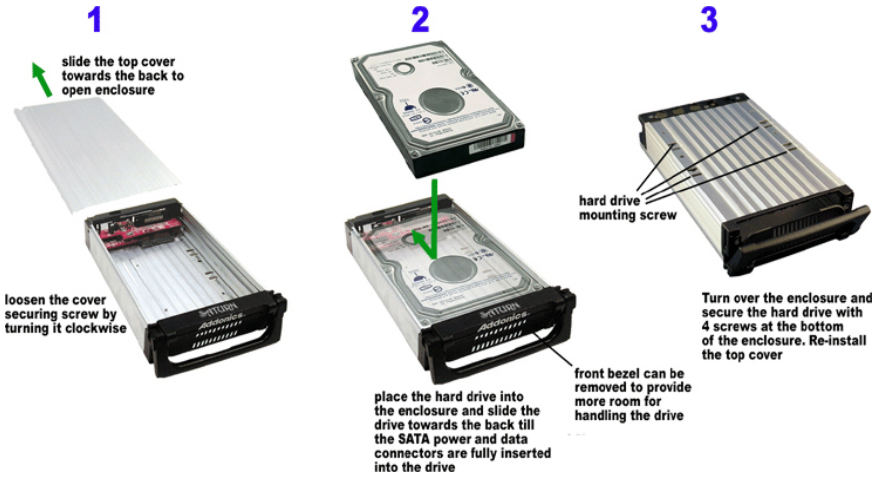


Note: The key lock must be turn to the left to lock and power the drive on the Cradle. There will be no access light when a Serial ATA hard drive is being used since the Serial ATA drive does not provide access signal from the drive.

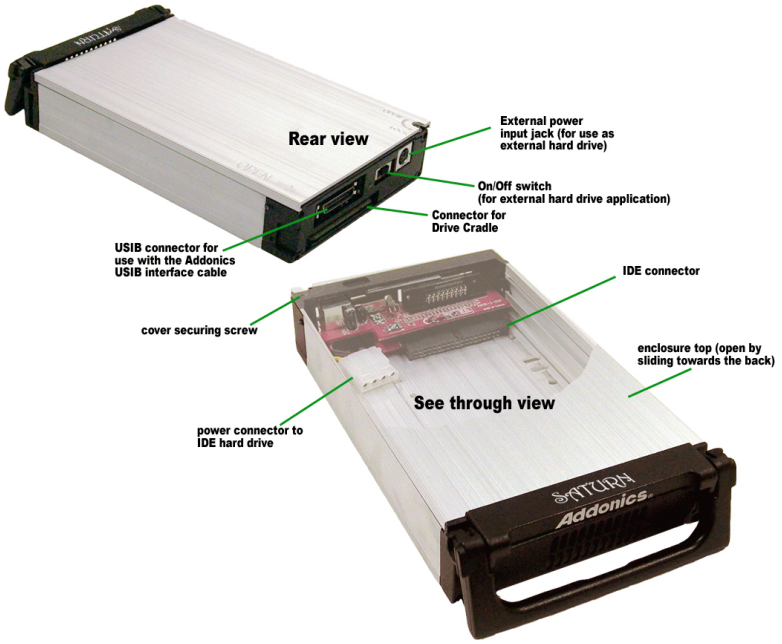
SATURN SATA//USIB Enclosure Installation


Rear view
External power input jack (for use as external hard drive)
On/Off switch (for external hard drive application)
Connector for Drive Cradle
USIB connector for use with the Addonics USIB interface cable
SATA power and data connector
cover securing screw
enclosure top (open by sliding towards the back)
See through view
SATURN
Addonics

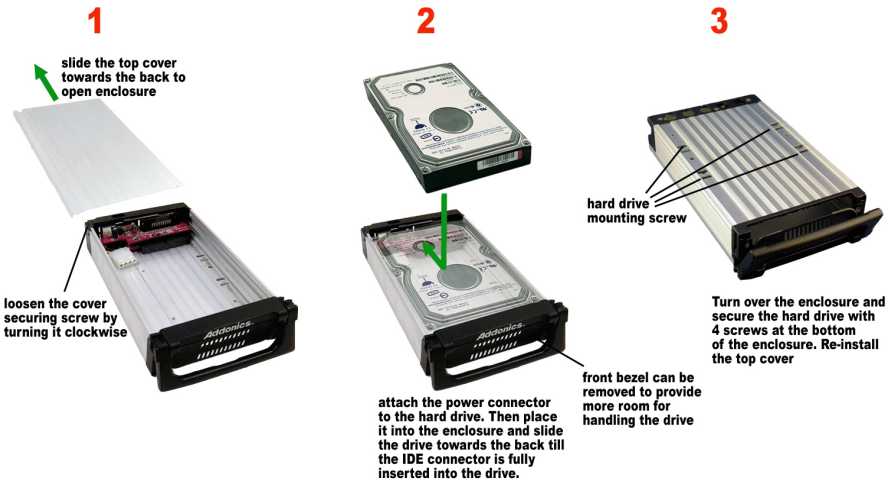
Note: The switch from the back of the drive can set anywhere to use the enclosure as an internal drive.


1
slide the top cover towards the back to open enclosure
loosen the cover securing screw by turning it clockwise
2
place the hard drive into the enclosure and slide the drive towards the back till the SATA power and data connectors are fully inserted into the drive
front bezel can be removed to provide more room for handling the drive
3
hard drive mounting screw
Turn over the enclosure and secure the hard drive with 4 screws at the bottom of the enclosure. Re-install the top cover

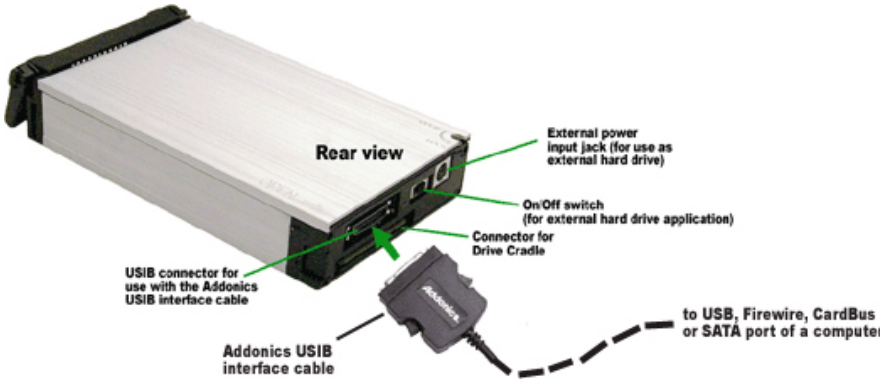
SATURN IDE/USIB Enclosure Installation


Rear view
External power input jack (for use as external hard drive)
On/Off switch (for external hard drive application)
Connector for Drive Cradle
USIB connector for use with the Addonics USIB interface cable
IDE connector
cover securing screw
enclosure top (open by sliding towards the back)
See through view
power connector to IDE hard drive
SATURN
Addonics

Note: The switch from the back of the drive can set anywhere to use the enclosure as an internal drive.


1
2
3
slide the top cover towards the back to open enclosure
loosen the cover securing screw by turning it clockwise
attach the power connector to the hard drive. Then place it into the enclosure and slide the drive towards the back till the IDE connector is fully inserted into the drive.
front bezel can be removed to provide more room for handling the drive
hard drive mounting screw
Turn over the enclosure and secure the hard drive with 4 screws at the bottom of the enclosure. Re-install the top cover

Connecting the Drive Enclosure as external Hard Drive


Rear view
External power input jack (for use as external hard drive)
On/Off switch (for external hard drive application)
Connector for Drive Cradle
USIB connector for use with the Addonics USIB interface cable
Addonics USIB interface cable
to USB, Firewire, CardBus or SATA port of a computer

Chapter 3
USB 2.0 interface cable installation

- Ø Since USB 2.0 Hi-Speed is an evolution of the existing USB 1.1 specification, it is fully forward and backward compatible with current USB systems.

- Ø If you do not have an USB2.0 port, you may install an optional USB2.0 adapter or controller

USB driver installation
For Win98 and Win98SE

1. Make sure your computer is up and running.
2. Insert the USB cable to the USB Port.
3. A "New Hardware Found" message shall pops up.
4. Follow wizard and point to the location of the driver. (Follow the steps from the Driver Disc to where you saved the driver files)
5. Let Windows finish the installation and that's it.
6. Double click My Computer icon and there should be an extra drive letter for the Combo Hard Drive.
7. You may now access the drive.

Note: USB Combo Drive is Plug and Play under Windows XP, and Me, 2000. There is no third party driver needed.

Brand New Hard drive must be Partitioned and Formatted first.

Serial ATA interface cable installation

Serial ATA Combo Hard Drive Installation
For Win98SE, Me, 2000 and XP

Note: There no drivers needed to use the Serial ATA cable as long as the drivers are installed for the Serial ATA Controller card/chip. It is plug and play.

1. Make sure the Serial ATA cable is securely attach to the back of the drive. (For Addonics Pocket drives such as Pocket CDROM, Exdrive etc. you may attach the USB connector to the USB port of the computer to provide power for the pocket drives). May vary from system's USB port power output.
2. Make sure that power is attach to the drive and turned on.
3. Power on the system or you may hot plug while system is on.
4. On the Window Desktop, double click on the MY COMPUTER icon.
5. Plug the Serial ATA connector into your computer's Serial ATA port.
6. Wait for a few seconds, your computer may blink for a moment as well. Double Click on the "My Computer" icon if not open yet.
   You are now ready to use the Combo hard drive kit.

Note: Brand New Hard drive must be Partitioned and Formatted first.

Firewire interface cable installation

Firewire Combo Hard Drive Installation
For Win98SE, Me, 2000 and XP

Note for Win98SE only: After plugging in the cable some system might prompt you for Win98SE CD, in case you don't have The Win98SE CD and the wizard prompt you for:

NTMAP.SYS please type **C:\WINDOWS\SYSTEM32\DRIVERS**
NTMAPHLP.PDR please type **C:\WINDOWS\SYSTEM\IOSUBSYS**

IF the system did not prompt you for anything just follow the steps below

7. Make sure the Firewire cable is securely attach from the back of the drive.
8. Make sure that power is attached and turned on.
9. Power on the system. On the Window Desktop, double click on the MY COMPUTER icon.
10. Plug the Addonics Six Pin FIREWIRE-IDE cable into your computer's FIREWIRE
11. Wait for a few seconds, your computer may blink for a moment as well. Double Click on the "My Computer" icon if not open yet. You are now ready to use the Combo hard drive kit.

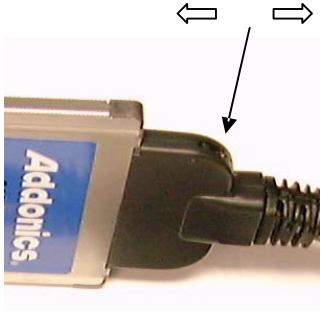
Note: Brand New Hard drive must be Partitioned and Formatted first.

CardBus / PCMCIA setting

The Addonics CardBus PCMCIA card has an option switch can allow you to choose using either PCMCIA mode or CardBus mode. The switch position is as follows:

Front view

CardBus PCMCIA



Side View

Factory default setting is CardBus mode

Cardbus and PCMCIA selection switch.
CardBus mode – move the switch to the side with the DOT indicator

CardBus mode supports WIN 95/98/ME/2000 and XP only. For DOS, WIN 3.1x and WIN NT, the switch must be set in PCMCIA mode.

Note: Brand New Hard drive must be Partitioned and Formatted first.

CardBus/PCMCIA driver Installation
For Windows 95, 98, 98SE and Me

(Do not run the SETUP program from the driver disk, SETUP
Is for DOS or WIN 3.1 using PCMCIA mode only)

1. Power on your system and wait for the Desktop screen.
2. Connect the CardBus/PCMCIA cable and external AC/DC adapter into the back of your Combo hard drive kit.
3. Plug the CardBus / PCMCIA card end of the cable into the PCMCIA slot on the side of your computer.
4. The system will automatically identify the new card and ask to load the driver.
5. Insert the driver diskette in "A" drive and follow the instruction on the screen to load "Addonics CardBus IDE Controller". Follow wizard and point to the location of the driver. (Follow the steps from the Driver Disc to where you saved the driver files)
6. When installation is finished, a PCMCIA card icon will appear in the lower right-hand of the Window's system tray.
7. Double Click on the "My Computer" icon. You are now ready to use the Combo hard drive kit.

Note: Brand New Hard drive must be Partitioned and Formatted first.

PCMCIA Installation for Windows NT

1. Go to Start\Settings\Control Panel
2. Double Click SCSI adapter icon
3. Click on the Driver Tab
4. Click Add to add new driver
5. Follow wizard and point to the location of the driver. (Follow the steps from the Driver Disc to where you saved the driver files)
6. Select “Addonics PCMCIA…” then click ok.
7. Windows will prompt you for driver location again, to continue Type in A:\NT then click continue.
8. Click YES to restart your computer.
9. Double Click on the “My Computer” icon. You are now ready to use the Combo hard drive kit.

Note: You must use the PCMCIA mode for Windows NT.

CardBus/PCMCIA Installation for Windows 2000

1. Make sure your computer is up and running
2. Verify that all cables are connected and there is power to the drive.
3. Insert the PCMCIA cable to the PCMCIA socket.
4. A "New Hardware Found" message shall pops up.
5. Select "Next" to continue installation.
6. Select "Search for a suitable driver...." button and select "Next".
7. In "select a Device Driver page", select "Have Disk" to specify location. Follow wizard and point to the location of the driver. (Follow the steps from the Driver Disc to where you saved the driver files) Select "Addonics CardBus...." click YES for the Windows warning message and let Win2000 to finish the Installation and that's it.
8. Double Click on the “My Computer” icon. You are now ready to use the Combo hard drive kit.

Note: Brand New Hard drive must be Partitioned and Formatted first.

CardBus/PCMCIA Driver Installation

(Windows XP PCMCIA Installation Guide)

1. Make sure that all cables are properly connected and the drive has power.
2. If you are using the Combo drives, make sure that the power brick has a steady green light.
3. Boot your computer to Windows.
4. Plug in the Cardbus/PCMCIA cable to the Computer's PCMCIA Socket/Port then insert the card to the Computer.
5. Windows should now find a new hardware and ask for the driver location.
6. Follow the Wizard. Click next to Continue.
7. Follow wizard and point to the location of the driver. (Follow the steps from the Driver Disc to where you saved the driver files) example browse to your floppy drive and go to the A:\Win2kXp folder.
8. Click the second radio button or select the ADVANCED button then Click Next.
9. Select the "Search for best driver in this location". Check the "include this Location in the search" option only then click Browse.
10. Browse to your floppy drive and go to the A:\Win2kXp folder.
11. Select the WinXP driver then click OK, Click next to continue.
12. Click the "Continue Anyway" to proceed.
13. Let the OS install the Driver and that's it. Click Finish.

Click YES to restart the Computer if prompted and that's it.

Note: Brand New Hard drive must be Partitioned and Formatted first.

Technical Support

If you need assistance to get your unit functioning properly, please call Addonics Technical Support. Our technical staff will be happy to assist you, but they will need your help to do so. Calling the technical support staff without all the proper information can be both time consuming and frustrating. Here are some tips to help you out:

(1) MODEL NUMBER – Please have this number on hand.
(2) SYSTEM INFORMATION – Type of computer, peripherals, etc.
(3) OPERATING SYSTEM – What version of Windows
(4) WHAT'S THE TROUBLE? – Give enough information
About your problem so that we can recreate and diagnose it.

FREE Software Drivers for all Addonics Technologies Products are available 24 hours per day at the World Wide Web Site: www.addonics.com**.**

Contact Information

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Please visit our web site www.addonics.com to register your warranty online.